INDEX

Volume 11, 1969

Soviet Physics – Solid State

SOVIET PHYSICS – SOLID STATE
Volume 11, 1969
A translation of Fizika Tverdogo Tela

ABAKUMOV, V. I.
Impurity Photomagnetic Effect. (T) V. I. Abakumov and I. N. Yassievich. 11, 408 (1969) [11, 512 (1969)]

ABAKUMOV, V. N.
Nonlinear Theory of Photoelectric Phenomena Associated with the Heating of Electrons by Light. (T) V. N. Abakumov. 11, 1552 (1970) [11, 1928 (1969)]

ABDULSABIROV, R. Yu.
Electron Paramagnetic Resonance of Chromium in PbF_2. (E) R. Yu. Abdulsabirov, M. M. Zaitov, M. M. Zaripov, L. D. Livanova, and B. G. Stepanov. 11, 2971 (1970) [11, 3549 (1969)]

ABEL'SKII, Sh. Sh.
The Reason for the Different Signs of the Thermal EMF and the Hall Effect in Noble Metals. (T) Sh. Sh. Abel'skii and Yu. P. Irkhin. 11, 2231 (1970) [11, 2756 (1969)]

ABLOVA, M. S.
Electromechanical Effect in CdS. (E) M. S. Ablova, L. A. Mozgovaya, and E. P. Berdnikov. 11, 1168 (1969) [11, 1431 (1969)]
Effect of Donor and Acceptor Impurities on Mechanical Properties of PbTe. (E) M. S. Ablova, M. I. Kazeklina, and M. N. Vinogradova. 11, 2089 (1970) [11, 2590 (1969)]

ABRAMOV, A. P.
Mechanism of Nonlinear Luminescence Damping in Ruby. (T/E) N. A. Tolstoi, A. P. Abramov, and I. Ya. Gerlovin. 11, 2133 (1970) [11, 2644 (1969)]

ABROSIMOV, V. M.
Investigation of the Thermal Conductivity of Thin Metallic Films. (E/T) V. M. Abrosimov, B. N. Egorov, N. S. Lidorenko, and I. B. Rubashov. 11, 427 (1969) [11, 530 (1969)]

ABROYAN, I. A.
Role of the Reverse Current in the Interaction of Ions with Solids. (E) I. A. Abroyan, M. A. Eremeev, and L. A. Tsekhnovicher. 11, 1276 (1969) [11, 1575 (1969)]
Excitation of Electron-Hole Pairs in Germanium by Slow Electrons. (E) I. A. Abroyan and L. A. Tsekhnovicher. 11, 2736 (1970) [11, 3368 (1969)]
Channeling of Light Ions in Germanium. (E) I. A. Abroyan, V. A. Koryukhin, M. N. Ushakov, and L. A. Tsekhnovicher. 11, 2745 (1970) [11, 3376 (1969)]

ADADUROV, G. A.
Nuclear Gamma Resonance Study of Structure Transformations by Shock Compression. (E/T) G. A. Abadurov, G. V. Novikov, N. S. Ovanesyan, V. A. Trukhtanov, and V. M. Shekhtman. 11, 1601 (1970) [11, 1988 (1969)]

ADAMYAN, V. M.
Theory of the Oscillation Effect in the Absorption Spectra of Quasimetallic Centers in Ionic Crystals. (T) V. M. Adamyan and A. E. Glauberman. 11, 1539 (1970) [11, 1910 (1969)]

ADIATULLIN, R.
Magnetic Properties of the Alloy $MnAu_4$ in Intense Pulsed Magnetic Fields under High Hydrostatic Pressure. (E) I. G. Fakidov and R. Adiatullin. 11, 1861 (1970) [11, 2305 (1969)]

ADYLOV, A. A.
Secondary Emission of Mo^+ Ions during Bombardment of Molybdenum by Alkali-Metal Ions. (E) A. A. Adylov, V. I. Veksler, and A. M. Reznik. 11, 1441 (1970) [11, 1779 (1969)]

AFANAS'EV, A. Ya.
Exchange Interaction of Conduction Electrons in EuO Doped with Gadolinium. (E) A. A. Samokhvalov and A. Ya. Afanas'ev. 11, 380 (1969) [11, 483 (1969)]

AFANAS'EV, V. F.
Relation between the Inhomogeneity of the Resistivity Distribution and the Density of Dislocations in Silicon. (E) V. F. Afanas'ev and N. P. Afanas'eva. 11, 2741 (1970) [11, 3373 (1969)]

AFANAS'EVA, N. P.
Relation between the Inhomogeneity of the Resistivity Distribution and the Density of Dislocations in Silicon. (E) V. F. Afanas'ev and N. P. Afanas'eva. 11, 2741 (1970) [11, 3373 (1969)]

AGEEV, A. N.
Ferromagnetic Resonance in Yttrium-Iron Gallium Garnet Doped with Terbium. (E) A. N. Ageev and A. G. Gurevich. 11, 288 (1969) [11, 362 (1969)]
Ferromagnetic Resonance in Yttrium Garnet with Holmium Impurity. (E) A. N. Ageev and A. G. Gurevich. 11, 1712 (1970) [11, 2123 (1969)]

AGEEV, V. N.
Oxidation Kinetics of Tungsten. (E) V. N. Ageev and N. I. Ionov. 11, 2593 (1970) [11, 3200 (1969)]

AGRANOVICH, V. M.
Model for Thermal Motion during Radiation Damage in Crystals. (T) V. M. Agranovich and V. V. Kirsanov. 11, 540 (1969) [11, 674 (1969)]
Theory of the Transfer of Electronic Excitation Energy between Impurity Molecules. (T) V. M. Agranovich, N. E. Kamenogradskii, and Yu. V. Konobeev. 11, 1177 (1969) [11, 1445 (1969)]
A Theory of the Gyrotropy of Anisotropic Crystals near Resonance. (T) V. M. Agranovich. 11, 1337 (1969) [11, 1650 (1969)]
Radiation-Induced Origin and Growth of Clusters of Interstitial Atoms. (T) V. M. Agranovich and É. Ya. Mikhlin. 11, 1527 (1970) [11, 1895 (1969)]
Annihilation of Singlet Excitons in Anthracene Allowing for Reabsorption. (T) V. M. Agranovich, B. I. Doronina, and Yu. V. Konobeev. 11, 2103 (1970) [11, 2608 (1969)]
Angular Dependence of the Products from Sputtering InSb Single Crystals with Fast Argon Ions. (E) V. M. Agranovich, O. I. Kapusta, S. Ya. Lebedev, and L. P. Semenov. 11, 2280 (1970) [11, 2816 (1969)]

AKHIEZER, I. A.
Magnetoelastic Oscillations in Antiferromagnetic Materials under near-Critical External Magnetic Fields. (T) D. P. Belozorov and I. A. Akhiezer. 11, 823 (1969) [11, 1010 (1969)]

AKIMCHENKO, I. P.
Strain-Energy Constants for Silicon Determined from Uniaxial Compression Effects on the Fundamental Absorption Bands in the Indirect Transition Region. (T/E) I. P. Akimchenko and V. A. Vdovenkov. 11, 528 (1969) [11, 658 (1969)]

AKKERMAN, A. F.
Deceleration of Slow Recoil Atoms in Solids. (E) A. F. Akkerman. 11, 146 (1969) [11, 193 (1969)]

AKSEL'ROD, M. M.
Hot-Electron Magnetophonon Resonance in n-InSb. (E/T) M. M. Aksel'rod, V. P. Lugovykh, R. V. Pomortsev, and I. M. Tsidil'kovskii. 11, 81 (1969) [11, 113 (1969)]

AKSENKO, O. E.
Capture of Hot Holes in KCl:Tl. (E) E. D. Aluker, O. E. Aksenov, and N. L. Romanenko. 11, 2769 (1970) [11, 3403 (1969)]

AKSENOV, V. K.
Electron Paramagnetic Resonance of Ionized Nitrogen Pairs in Diamond. (E/T) M. Ya. Shcherbakova, E. V. Sobolev, N. D. Samsonenko, and V. K. Aksenov. 11, 1104 (1969) [11, 1364 (1969)]

ALAEVA, T. I.
Paramagnetic Electron Resonance Spectrum of Cr^{3+} Ions in Ruby under Hydrostatic Pressures up to 7 kbars. (E) T. I. Alaeva, L. F. Vereshchagin, and E. N. Yakovlev. 11, 398 (1969) [11, 502 (1969)]

ALEKSANDROV, I. V.
Spin-Lattice Interaction in a Solid Containing Isolated Paramagnetic Complexes. (T) I. V. Aleksandrov, A. N. Kuznetsov, and V. P. Sakun. 11, 1207 (1969) [11, 1486 (1969)]

ALEKSANDROV, K. S.
Elastic Properties of Aluminum Methylamine Alum in the Region of the Phase Transitions. (E) K. S. Aleksandrov, M. P. Zaitseva, and L. A. Shabanova. 11, 114 (1969) [11, 155 (1969)]
The Ferroelectric Properties of $NaNH_4SeO_4 \cdot 2H_2O$. (E) K. S. Aleksandrov, I. P. Aleksandrova, L. I. Zherebtsova, A. I. Rostuntseva, T. A. Leibovich, and M. P. Zaitseva. 11, 1639 (1970) [11, 2027 (1969)]
Phase Transition in $KMnF_3$. (T/E) L. M. Reshchikova, V. I. Zinenko, and K. S. Aleksandrov. 11, 2893 (1970) [11, 3448 (1969)]

ALEKSANDROV, L. N.
Resonance Absorption in Germanium and Silicon in the Region of Low Magnetic Fields. (E/T) I. G. Gverdtsiteli, L. N. Aleksandrov, and L. V. Ovchinnikova. 11, 463 (1969) [11, 572 (1969)]
Effect of Heat Treatment and Doping with Copper on the Internal Friction of Silicon. (E) L. N. Aleksandrov, M. I. Zotov, R. Sh. Ibragimov, and F. L. Édel'man. 11, 1494 (1970) [11, 1854 (1969)]

ALEKSANDROVA, I. P.
The Ferroelectric Properties of $NaNH_4SeO_4 \cdot 2H_2O$. (E) K. S. Aleksandrov, I. P. Aleksandrova, L. I. Zherebtsova, A. I. Rostuntseva, T. A. Leibovich, and M. P. Zaitseva. 11, 1639 (1970) [11, 2027 (1969)]

ALEKSEEV, A. A.
Variance of Internal Stresses for a Random Distribution of Dislocations in a Crystal of Finite Dimensions. (T) A. A. Alekseev, É. V. Onishchenko, and B. M. Strunin. 11, 2144 (1970) [11, 2656 (1969)]

ALEKSEEV, E. S.
Calculation of the Knight Shift as a Function of Pressure for Sodium, Rubidium, and Cesium. (T) É. S. Alekseev and A. P. Kochkin. 11, 213 (1969) [11, 265 (1969)]

ALEKSEEV, N. I.
Laser-Induced Surface Damage to Lithium Fluoride Single Crystals. (E) N. I. Alekseev, N. V. Volkova, T. V. Stepanova, and L. M. Shestopalov. 11, 2204 (1970) [11, 2720 (1969)]

ALESHIN, V. G.
Energy Band Calculations for BN, SiC, and BP Using Orthogonalized Plane Waves (OPW). (E/T) V. G. Aleshin and V. P. Smirnov. 11, 1546 (1970) [11, 1920 (1969)]
Transition Probabilities in the X-Ray Emission Spectra of Cubic BN. (T) V. G. Aleshin and V. P. Smirnov. 11, 1621 (1970) [11, 2010 (1969)]

ALESHKO-OZHEVSKII, O. P.
Nature of the Spontaneous Magnetic Moment of the Solid Solution $0.92BiFeO_3 - 0.08Pb(Fe_{0.5}Nb_{0.5})O_3$. (E) S. V. Kiselev, R. P. Ozerov, O. P. Aleshko-Ozhevskii, I. I. Yamzin, and A. G. Kocharov. 11, 446 (1969) [11, 550 (1969)]

ALIEV, B. Z.
Secondary Electron Emission from the (111) Face of a Tungsten Crystal. (E) M. V. Gomoyunova and B. Z. Aliev. 11, 3036 (1970) [11, 3619 (1969)]

ALIEV, M. N.
Theory of the Magnetic Resonance of Paramagnetic Ion Nuclei in Solids. (T) M. N. Aliev. 11, 57 (1969) [11, 81 (1969)]

ALIEV, S. A.
Electronic and Lattice Thermal Conductivity of n-Type HgTe at Low Temperatures. (E) V. M. Muzhdaba, V. K. Ogorodnikov, S. A. Aliev, and S. S. Shalyt. 11, 442 (1969) [11, 545 (1969)]

AL'SHITS, V. I.
Raman Scattering of Phonons as a Cause of Dislocation Damping. (T) V. I. Al'shits. 11, 1081 (1969) [11, 1336 (1969)]
"Phonon Wind" and Dislocation Damping. (T) V. I. Al'shits. 11, 1947 (1970) [11, 2405 (1969)]

AL'TSHULER, L. V.
Phase Transformations in Boron Nitride Caused by Dynamic Compression. (E) I. N. Dulin, L. V. Al'tshuler, V. Ya. Vashchenko, and V. N. Zubarev. 11, 1016 (1969) [11, 1252 (1969)]

AL'TSHULER, N. S.
Analysis of $MeF_3:Dy^{3+}$ Cubic Centers from Luminescence Spectra. (E/T) N. S. Al'tshuler, M. V. Eremin, R. K. Luks, and A. L. Stolov. 11, 2921 (1970) [11, 3484 (1969)]

AL'TSHULER, S. A.
Temperature Dependence of the Dipolar Line Width of Paramagnetic Resonance in Crystals. (T) S. A. Al'tshuler and A. A. Mokeev. 11, 26 (1969) [11, 35 (1969)]

AL'TSHULLER, V. M.
Effect of the Oxygen Structural State in Silicon on the Integrated Characteristics of Anomalous X-Ray Transmission. (E) V. M. Al'tshuller, S. S. Gorelik, and S. V. Rychkova. 11, 393 (1969) [11, 497 (1969)]

ALUKER, E. D.
Capture of Hot Holes in KCl:Tl. (E) E. D. Aluker, O. E. Aksenov, and N. L. Romanenko. 11, 2769 (1970) [11, 3403 (1969)]

AMINOV, L. K.
Orientation Dependence of Spin-Lattice Relaxation Times. (T) L. K. Aminov. 11, 1383 (1969) [11, 1707 (1969)]

AMINOV, V. M.
Quasilocal Vibrations Induced by Electron Transitions. (T) N. M. Aminov and B. I. Kochelaev. 11, 2354 (1970) [11, 2906 (1969)]

AMMER, S. A.
Plastic Deformation of Corundum Whiskers. (E) V. S. Postnikov, A. A. Shchetinin, S. A. Ammer, A. G. Moskalenko, and A. I. Drozhzhin. 11, 1303 (1969) [11, 1608 (1969)]

ANDERS, A. G.
EPR Spectrum of Co^{2+} Ions in Single Crystals of Hexagonal ZnS. (E) A. G. Anders, V. A. Moiseev, and A. I. Zvyagin. 11, 3059 (1970) [11, 3643 (1969)]

ANDREEV, A. A.
Electrical Properties of the Single-Crystal Highest Silicide of Manganese. (E) E. N. Nikitin, V. I. Tarasov, A. A. Andreev, and L. N. Shumilova. 11, 2757 (1970) [11, 3389 (1969)]

ANDREEV, G. A.
Point-Defect Annealing in γ-Irradiated LiF Crystals. (E/T) G. A. Andreev and G. Ya. Vasil'ev. 11, 176 (1969) [11, 222 (1969)]
Isotopic Dilution Studies of the Distribution Coefficient of Lithium in Potassium Halides. (E/T) G. A. Andreev. 11, 1150 (1969) [11, 1412 (1969)]
Effect of Deformation Stresses on the Density of Alkali-Halide Crystals. (E/T) G. A. Andreev and B. I. Smirnov. 11, 1637 (1970) [11, 2025 (1969)]

Annealing of Defects in Electrolytically Colored KBr Crystals. (E) G. A. Andreev, G. B. Semushkin, and A. N. Tsikin. 11, 2755 (1970) [11, 3387 (1969)]

ANDREEVA, G. T.

Crystal Field and Characteristics of Optical Absorption in Ferroelectric Nickel Boracites. (E) R. V. Pisarev, S. D. Prokhorova, and G. T. Andreeva. 11, 766 (1969) [11, 939 (1969)]

ANDRONOV, V. M.

Amplitude Dependence of the Internal Friction in Filamentary Copper Crystals. (E) V. M. Andronov. 11, 2173 (1970) [11, 2684 (1969)]

ANTIPIN, A. A.

EPR and Spin-Lattice Relaxation of Nd^{3+} in $LaNbO_4$ Single Crystals. (E) A. A. Antipin, R. A. Baikova, I. N. Kurkin, and L. Ya. Shekun. 11, 16 (1969) [11, 22 (1969)]

Paramagnetic Resonance of Trigonal Tb^{3+} Centers in BaF_2 Single Crystals. (E/T). A. A. Antipin and I. N. Kurkin. 11, 181 (1969) [11, 227 (1969)]

ANTOKOL'SKII, G. L.

Acoustic Saturation of Nuclear Levels in Piezoelectric Crystals. (T) V. A. Shutilov and G. L. Antokol'skii. 11, 1297 (1969) [11, 1601 (1969)]

ANTONOV, V. N.

Mott Transition for Excitons in Silicon. (E) V. N. Antonov, Yu. V. Kopaev, Yu. I. Pashintsev, and A. V. Rakov. 11, 1160 (1969) [11, 1422 (1969)]

ANTONOV-ROMANOVSKII, V. V.

Monomolecular Recombination Luminescence and Its Extinction by an Electric Field. (T) V. V. Antonov-Romanovskii. 11, 2289 (1970) [11, 2827 (1969)]

APKAR'YANTS, P. S.

Induced Electrooptic Effect in the Antiferroelectric $NH_4H_2PO_4$. (E/T) P. A. Apkar'yants and A. S. Sonin. 11, 148 (1969) [11, 196 (1969)]

ARDASHEV, A. Yu.

Electron Paramagnetic Resonance in Small Sodium Particles. (E) V. I. Petinov and A. Yu. Ardashev. 11, 1 (1969) [11, 3 (1969)]

AREF'EVA, R. M.

Electrical Conductivity of the Antiferromagnetic Semiconductor MnTe below Its Néel Temperature. (E) A. I. Zvyagin, L. V. Povstyanyi, and R. M. Aref'eva. 11, 2759 (1970) [11, 3392 (1969)]

ARKHANGEL'SKAYA, V. A.

Thermal Ionization Potentials of Divalent Rare-Earth Ions in Fluorite-Type Crystals. (E/T) V. A. Arkhangel'skaya, M. N. Kiseleva, and V. M. Shraiber. 11, 714 (1969) [11, 869 (1969)]

Self-Localized Hole Centers in Rare-Earth Activated Fluorite-Type Crystals. (E) V. A. Arkhangel'skaya, V. G. Erofeichev, and M. N. Kiseleva. 11, 1619 (1970) [11, 2008 (1969)]

ARONOV, A. G.

Scattering of Light by Concentration Fluctuations and Generation-Recombination Noise. (T) A. G. Aronov. 11, 1791 (1970) [11, 2219 (1969)]

ARSENT'EVA, I. P.

The Nature of the Defects Formed during the Decomposition of a Solid Solution of Arsenic in Germanium. (E/T) I. A. Ragimov, I. P. Arsent'eva, and V. N. Rozhanskii. 11, 808 (1969) [11, 992 (1969)]

ARTOBOLEVSKAYA, E. S.

Some Electrophysical Properties of Single-Crystal SbSI Films. (E) R. N. Sheftal', A. G. Zhdan, K. V. Nikitin, and E. S. Artobolevskaya. 11, 2158 (1970) [11, 2669 (1969)]

ASEEV, A. L.

The Dislocation System in Bent Germanium. (E) A. L. Aseev, Yu. D. Vaulin, S. I. Stenin, and F. L. Edel'man. 11, 606 (1969) [11, 758 (1969)]

ASKEROV, Sh. G.

Cathode Sputtering of Metals by Slow Mercury Ions. (E) Sh. G. Askerov and L. A. Sena. 11, 1268 (1969) [11, 1591 (1969)]

ATROSHCHENKO, L. V.

Local Elastic Stresses and Solubility of Impurities in Crystals with Stoichiometric Vacancies. (E) V. M. Koshkin and L. V. Atroshchenko. 11, 667 (1969) [11, 816 (1969)]

ATSARKIN, V. A.

Thermal Mixing of Nuclear Spins and Double NMR in Paramagnetic Materials. (E/T) V. A. Atsarkin and M. I. Rodak. 11, 493 (1969) [11, 613 (1969)]

AUDZIONIS, A. I.

Optical Properties of Antimony Trisulfide Single Crystals in the Region of Phase-Transition Temperatures. (E) A. I. Audzionis and A. S. Karpus. 11, 859 (1969) [11, 1053 (1969)]

AUGST, G. R.

Vibrational Spectrum of a Lattice Containing Isolated Interstitial Impurity Atoms. (T) G. R. Augst and A. P. Zhernov. 11, 634 (1969) [11, 784 (1969)]

AVDEEVA, L. A.

Effect of a Strong Electric Field on CdS Exciton Absorption. (E) P. I. Perov, L. A. Avdeeva, A. G. Zhdan, and M. I. Elinson. 11, 65 (1969) [11, 92 (1969)]

Electroabsorption of PbI_2 in the Exciton Region. (E) P. I. Perov, L. A. Avdeeva, and M. I. Elinson. 11, 438 (1969) [11, 541 (1969)]

AVDONIN, V. Ya.

Elastic Waves in Alkali-Earth Fluorides. (E) V. V. Lemanov, V. Ya. Avdonin, and A. V. Pavlenko. 11, 3051 (1970) [11, 3635 (1969)]

AVETYAN, K. T.

Dependence of the Frequency of Plasma Oscillations on the Thickness of Aluminum Films. (E) K. T. Avetyan and I. B. Borovskii. 11, 1415 (1969) [11, 1743 (1969)]

AVGUSTINIK, A. I.

Electrical Properties of Tantalum Carbide at High Temperatures. (E) O. A. Golikova, É. O. Dzhafarov, A. I. Avgustinik, and G. M. Klimashin. 11, 1936 (1970) [11, 2395 (1969)]

AZBEL', M. Ya.

High-Frequency Electrical Conductivity of a Thin Metallic Plate in Strong Magnetic Fields. (T) M. Ya. Azbel' and S. Ya. Rakhmanov. 11, 2580 (1970) [11, 3183 (1969)]

BAGAEV, V. S.

Photoluminescence of Undoped Gallium Arsenide Crystals. (E) V. S. Bagaev and L. I. Paduchikh. 11, 1832 (1970) [11, 2268 (1969)]

A Change in the Absorption Coefficient of Pure GaAs under Strong Photoexcitation. (E) V. S. Bagaev and L. I. Paduchikh. 11, 2676 (1970) [11, 3304 (1969)]

BAGDASAROV, Kh. S.

Effect of Crystallographic Orientation on Deformation Characteristics of Corundum. (E) V. G. Govorkov, N. N. Volnova, M. V. Klassen-Neklyudova, and Kh. S. Bagdasarov. 11, 3017 (1970) [11, 3601 (1969)]

BAGROV, N. N.

Structure of Argon and Neon Polycrystalline Thin Films. (E) S. I. Kovalenko and N. N. Bagrov. 11, 2207 (1970) [11, 2724 (1969)]

BAIBAKOV, V. I.

Acoustic Noise and Amplification of Sound in CdSe. (E) V. I. Baibakov and A. I. Mart'yanov. 11, 259 (1969) [11, 324 (1969)]

BAIDAKOV, L. A.

Temperature Dependence of the Magnetic Susceptibility of As_2Se_3 at the Crystal-Melt and Glass-Melt Phase Transitions. (E) S. K. Novoselov, L. P. Strakhov, and L. A. Baidakov. 11, 1266 (1970) [11, 1564 (1969)]

BAIKOV, Y. M.

Lattice Constant and Volume Expansion Factor Dependence on Isotope Composition. (E) Y. M. Baikov, G. Ya. Ryskin, Yu. P. Stepanov, A. V. Subashiev, I. Ya. Korenblit, and A. A. Kochikhin. 11, 2480 (1970) [11, 3050 (1969)]

BAIKOVA, R. A.

EPR and Spin-Lattice Relaxation of Nd^{3+} in $LaNbO_4$ Single Crystals. (E) A. A. Antipin, R. A. Baikova, I. N. Kurkin, and L. Ya. Shekun. 11, 16 (1969) [11, 22 (1969)]

BAKA', A. S.

Interaction of Light with Magnetoacoustic Waves in Ferrodielectric. (T) A. S. Baka and R. P. Yankelevich. 11, 2749 (1970) [11, 3381 (1969)]

BAKAEV, A. V.

Role of Electron Pair Interactions in Secondary Electron Emission. (E) V. N. Lepeshinskaya, V. L. Borisov, and A. V. Bakaev. 11, 2189 (1970) [11, 2701 (1969)]

BAKAKIN, V. V.

Temperature-Induced Changes in the Electron Paramagnetic Resonance Spectrum of Mn^{2+} in Pyromorphite $Pb_5(PO_4)_3Cl$. (E) L. G. Gilinskaya, M. Ya. Shcherbakova, and V. V. Bakakin. 11, 1827 (1970) [11, 2263 (1969)]

BAKANOVA, A. A.

Electronic Transitions in Hafnium, Europium, and Ytterbium at High Pressures. (E) A. A. Bakanova, I. P. Dudoladov, and Yu. N. Sutulov. 11, 1515 (1970) [11, 1881 (1969)]

BAKHADYRKHANOV, M. K.

Optical Absorption of Silicon Containing Cobalt and Zinc Impurities. (E) M. K. Bakhadyrkhanov, B. I. Boltaks, T. D. Dzhafarov, and G. S. Kulikov. 11, 3076 (1970) [11, 3660 (1969)]

BAKHSHIEV, N. G.

Method of Making Allowance for the Differences in the Effective Average Fields of a Light Wave in Determining the Spectroscopic Characteristics of Molecules in Isotopic Crystals. (T) I. I. Shaganov, V. S. Libov, and N. G. Bakhshiev. 11, 2569 (1970) [11, 3169 (1969)]

BAKHTIBAEV, A. N.

Time and Temperature Dependence of the Strength of Single Crystals. (E/T) S. N. Zhurkov, V. I. Betekhtin, and A. N. Bakhtibaev. 11, 553 (1969) [11, 690 (1969)]

BAKHTIZIN, R. Z.

Nonlinear Volt-Ampere Characteristics of p-Ge. (E) G. N. Fursei and R. Z. Bakhtizin. 11, 3087 (1970) [11, 3672 (1969)]

BALABANOVA, L. A.

Plasma Oscillations in Crystalline Solids. (E/T) E. A. Bakulin, L. A. Balabanova, M. M. Bredov, E. G. Ostroumova, E. V. Stepin, and V. V. Shcherbinina. 11, 549 (1969) [11, 685 (1969)]

BALAGUROV, V. G.

Magnetic Films having a Negative Poisson Ratio. (E/T) M. Ya. Popereka and V. G. Balagurov. 11, 2938 (1970) [11, 3513 (1969)]

BALAKIREV, M. K.

Reflection of an Elastic Wave from the Vacuum-Piezoelectric Crystal Boundary. (T) M. K. Balakirev and I. A. Gilinskii. 11, 836 (1969) [11, 1027 (1969)]

Amplification of Coupled Helicon and Sound Waves. (T) S. V. Bogdanov and M. K. Balakirev. 11, 1530 (1970) [11, 1899 (1969)]

BALAKAREI, Yu. I.

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SOVIET PHYSICS – SOLID STATE
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I. Structure and Mechanical Properties
- Noncrystalline Structure
- Surface and Interface Phenomena
  - Films
  - Adsorption
- Crystallography
  - Crystal Growth
  - Crystal Structure, Techniques and Apparatus
  - Crystal Structure, Inorganic
  - Crystal Structure, Organic
- Defect Properties
  - Color Centers
- Diffusion
- Mechanical Properties
  - Metallurgy and Phase Transitions
- Lattice Mechanics
- Acoustical Properties
- Thermal Properties
- Radiation Interactions with Solids

II. Electrical and Magnetic Properties
- Electronic States
- Electrical Properties
  - Metallic Conducting Properties
  - Superconducting Properties
  - Semiconducting Properties
  - Semiconducting Materials and Devices
  - Dielectric Properties
  - Plasma Properties
- Thermoelectric Properties
- Photoelectric Properties
- Electron and Ion Emission
- Magnetic Properties
  - Paramagnetic Properties
  - Ferromagnetic Properties
  - Ferrimagnetic Properties
  - Antiferromagnetic Properties
  - Magnetic Relaxation Phenomena

III. Spectroscopy and Optical Properties
- Optical Properties
- Mössbauer Spectra
- Optical Spectra
- Luminescence
- Magnetic Resonances
  - Paramagnetic Resonance and Relaxation
  - Nuclear Magnetic Resonance and Relaxation

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Dependence of Thermally Stimulated Electron Emission from LiF Crystals on Their History. (E) L. M. Belyaev, G. G. Knab, and A. A. Urusovskaya. 11, 838 (1969) [11, 1029 (1969)]

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Temperature Dependence of the Magnetic Susceptibility of As_2Se_3 at the Crystal-Melt and Glass-Melt Phase Transitions. (E) S. K. Novoselov, L. P. Strakhov, and L. A. Baldakov. 11, 1266 (1969) [11, 1564 (1969)]

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Galvanomagnetic and Thermomagnetic Phenomena in a Strong Magnetic Field. (T) É. Normantas. 11, 1886 (1970) [11, 2337 (1969)]
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Temperature Dependence of the b Absorption Band of Pentacene. (E/T) M. V. Kurik and L. A. Tsikora. 11, 2116 (1970) [11, 2624 (1969)]
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Lowering of the Phase Transition Temperature in Heavily Reduced $BaTiO_3$ Crystals. (E/T) É. V. Bursian and É. N. Starov. 11, 2423 (1970) [11, 2994 (1969)]
Thermally Stimulated Conductivity of Photosensitive CdSe Films. (E) I. A. Karpovich and M. A. Rizakhanov. 11, 2430 (1970) [11, 3001 (1969)]
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Heat Conductivity of Stoichiometric and Heavily Doped Bismuth Telluride Crystals. (T/E) I. A. Smirnov, E. V. Shadrichev, and V. A. Kutasov. 11, 2681 (1970) [11, 3311 (1969)]
Thermoelectric Effects in Anisotropic Titanium Foils. (E) L. A. Kalinets, I. G. Mel'nik, and A. E. Bryukhanov. 11, 2702 (1970) [11, 3335 (1969)]
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Temperature Dependence of the Infrared Absorption Spectrum of NO_3^- and NO_2^- Ions in Alkali Halide Crystals. (E) V. P. Dem'yanenko and Yu. P. Tsyashchenko. 11, 3043 (1970) [11, 3626 (1969)]

THERMOELECTRIC PROPERTIES

Influence of Hydrostatic Pressure on the Electrical Conductivity and Thermoelectric Power of Some Ferrite Spinels. (E) G. K. Sokolova, A. A. Samokhvalov, and K. P. Rodionov. 11, 451 (1969) [11, 554 (1969)]
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ADDENDA

Vol.	No.	Page	
11	3	462	The difference in the damping parameter may be somewhat smaller owing to possible error in determining the film thickness, which influences the absolute value of the permeability. Regarding the influence of subdomain structure on the damping parameter see V. A. Ignatchenko, Zh. Eksp. Teor. Fiziki, 54, 303 (1968).
	8	1899	In a paper by I. V. Aleksandrov, A. P. Bozhko, and K. K. Pukhov [Vestnik MGU, Fizika, Astronomiya, No. 2, 15 (1969)] the Debye model of the phonon spectrum is considered as valid for acoustic phonons only, i.e., for phonons with frequencies up to $r^{-1/3}\Omega$, where r is the number of atoms in the unit cell. In this approximation the estimates given in the foregoing should be reduced by a factor of r^2, i.e., by $6 \cdot 10^2$ times for LaF_3 and $2 \cdot 10^4$ times for the remaining cases. Thus the displacement of the lines will be of the order of the line width for LaF_3:Dy^{3+}. In addition to this, the same will occur for tetragonal centers of Yb^{3+} in CaF_2 (R. W. Bierig, M. J. Weber, and S. I. Warshow, Phys. Rev., 134, A1504 (1964).

ERRATA

Volume 11

No.	Position	Reads:	Should read:
6	Page 1208 Eq. (3)	$\mathcal{H}_I = \mathcal{H}_m^0 + \mathcal{H}_c + \mathcal{H}_{mc}$.	$\mathcal{H}_I = \mathcal{H}_m^0 + \mathcal{H}_c^0 + \mathcal{H}_{mc}$.
	Page 1209 Eq. (5a)	$\mathcal{H}_m$	$2\mathcal{H}_m$
	Page 1209 Eq. (5b)	$2b_{(\xi)\alpha}q_\alpha\overline{\gamma}_b)$.	$2b_{(\xi)\alpha}C_{\gamma\beta}q_\alpha\overline{\gamma}_b)$.
8	Page 1757 Eq. (39)	$v_a^{(1)}(\mathbf{q}_\perp q_\parallel) = -\frac{1}{Lq_\perp} v_3(\mathbf{q}_\perp)\left\{\frac{q_a}{q^2}\frac{4q_\perp}{e^{q_\perp L}-e^{-q_\perp L}}\right.$ $\left. + \frac{q_a}{q_\perp + iq_z} - \frac{1+e^{-q_\perp L}}{1-e^{-q_\perp L}}\frac{q_a^*}{q_\perp - iq_z}\right\}$.	$v_a^{(1)}(q_\perp q_\parallel) = \frac{1}{Lq_\perp}\,\mathrm{th}\left(\frac{Lq_\perp}{2}\right)$ $\times\left\{\frac{q_a}{q_\perp + iq_z} + \frac{q_a^*}{q_\perp - iq_z}\right\} v_3(q_\perp)$.
	Page 1757 Eq. (40)	$v_a^{(2)}(\mathbf{q}_\perp q_\parallel) = -\frac{2}{Lq_\perp} v_3(\mathbf{q}_\perp)$ $\times\left(\frac{q_a}{q_\perp + iq_z} - \frac{q_a^*}{q_\perp - iq_z}\right)$.	$v_a^{(2)}(q_\perp q_\parallel) = \frac{1}{Lq_\perp}\,\mathrm{th}\left(\frac{Lq_\perp}{2}\right)$ $\times\left\{\frac{q_a}{q_\perp + iq_z} + \frac{q_a^*}{q_\perp - iq_z}\right\} v_3(q_\perp)$.
	Page 1807 Eq. (21)	$-Ac_0 + \frac{4}{3\sqrt{\pi}} ba^{3/2} + b\,\frac{1}{a}\,f(a)\Big]$;	$-Ac_0 + \frac{4}{3\sqrt{\pi}} A\Big[Ba^{3/2} + b\,\frac{1}{a}\,f(a)\Big]$;
	Page 1897 Eq. (2)	$H' = \sum_{k,\,l,\,m,\,n,\,r} S_k E_{klmnr} a_l a_m^+ a_{nr}$	$H' = \sum_{k,\,l,\,m,\,n,\,r} S_k E_{klmnr} a_l^+ a_{mr}$.
	Page 1898 Col. 2 Line 41	$e_k^{\omega_1\omega_2} = \frac{\hbar}{\rho}\sum_{l,\,m,\,n,\,r} E_{klmnr}\lambda_{1l}\gamma_m^{\omega_1}\lambda_{2n}\overline{\gamma}_r^{\omega_2}$.	$e_k^{\omega_1\omega_2} = \frac{\hbar}{\rho}\sum_{l,\,m,\,n,\,r} E_{klmnr}\lambda_{1l}\gamma_m^{\omega_1}\lambda_{2n}\overline{\gamma}_r^{\omega_2}$.
10	Page 2422 Fig. 1, caption	after demagnetization for specimen No. 1	after demagnetization of specimen No. 5
	Page 2422 Col. 2 Line 28	4. A. Vanase,	4. A. Yanase,
11	Page 2504 Table 2	Under the inequality $\epsilon_4 > \frac{3.5}{\sqrt{6}}\epsilon_1$ a horizontal line should be drawn so as to separate the first form of the isoenergy surface (top) from the second (bottom).	